

# clarion®

**Owner's manual & Installation manual**

## NX602

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**HD** Radio®  
R E A D Y

**2-DIN DVD MULTIMEDIA STATION WITH BUILT-IN  
NAVIGATION & 6.2" TOUCH PANEL**

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For USA and Canada only  
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Dear Customer:

Congratulations on your purchase of a Clarion mobile electronic products. We are confident that you'll enjoy your Clarion experience.

There are many benefits to registering your product. We invite you to visit our website at [www.clarion.com](http://www.clarion.com) to register your Clarion product.

We have made product registration simple with our easy to use website. The registration form is short and easy to complete. Once you're registered, we can keep you informed of important product information.

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Regístrese en [www.clarion.com](http://www.clarion.com) - es fácil mantener su producto de Clarion actualizado.

# Contents

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Thank you for purchasing this **Clarion** product.

- Please fully read this owner's manual before operating this equipment.
- Check the contents of the enclosed warranty card and store it in a safe place with this manual.

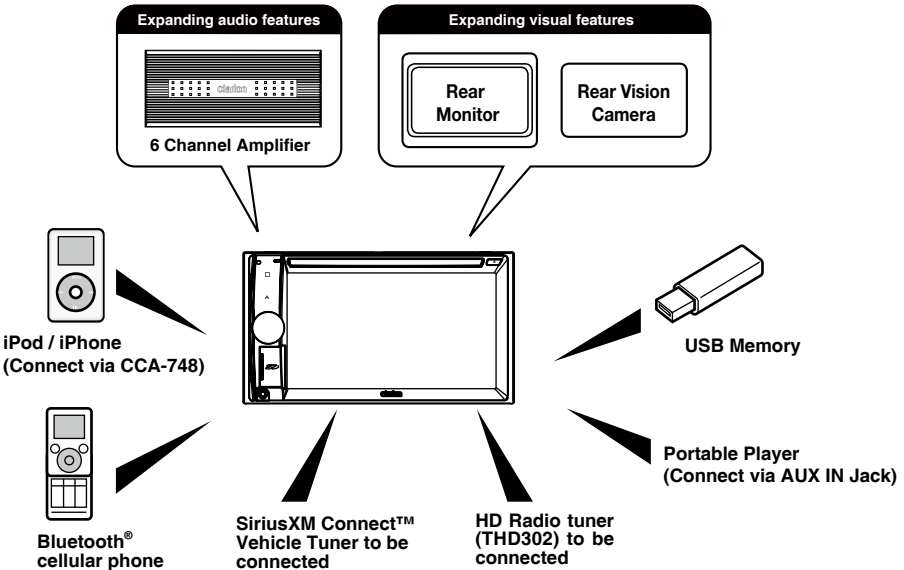
<b>1. FEATURES</b> .....	<b>3</b>
Expanding Systems.....	3
<b>2. PRECAUTIONS</b> .....	<b>4</b>
<b>3. CAUTIONS ON HANDLING</b> .....	<b>6</b>
Front Panel / Generalities.....	6
Cleaning the body .....	6
USB Port .....	6
Handling Discs .....	7
<b>4. CONTROLS</b> .....	<b>8</b>
Operational Panel.....	8
Names of Buttons.....	8
Remote Control .....	9
<b>5. MAIN MENU OPERATIONS</b> .....	<b>11</b>
<b>6. SYSTEM SETUP</b> .....	<b>12</b>
General.....	12
Time .....	12
Sound .....	13
Display.....	13
Setup .....	13
<b>7. DISC OPERATIONS</b> .....	<b>15</b>
DVD System.....	15
Accessing a Disc.....	17
DVD Video Player Operation.....	18
CD Player Operation .....	19
MP3/WMA Playback.....	20
<b>8. SD/USB OPERATION</b> .....	<b>22</b>
Accessing a USB.....	22
Accessing an SD Card .....	22
SD/USB Audio Operations .....	23
SD/USB Video Operations .....	23
<b>9. BLUETOOTH OPERATION</b> .....	<b>25</b>
Bluetooth Telephone Operations.....	25
Bluetooth Audio Operations .....	26
<b>10. RADIO OPERATION</b> .....	<b>28</b>
<b>11. SATELLITE RADIO OPERATION</b> .....	<b>30</b>
<b>12. HD RADIO OPERATION</b> .....	<b>32</b>
<b>13. iPod &amp; iPhone OPERATIONS</b> .....	<b>34</b>
<b>14. PANDORA OPERATIONS</b> .....	<b>36</b>
<b>15. NAVIGATION OPERATIONS</b> .....	<b>37</b>
<b>16. AUX OPERATIONS</b> .....	<b>37</b>
<b>17. TROUBLE SHOOTING</b> .....	<b>38</b>
<b>18. ERROR DISPLAYS</b> .....	<b>40</b>
<b>19. SPECIFICATIONS</b> .....	<b>41</b>
<b>20. WIRING AND CONNECTIONS</b> .....	<b>42</b>

# 1. FEATURES

- Fixed Panel with 6.2" Touch Screen
- DVD-Video/DVD±R/DVD±RW Player
- Built-in Bluetooth® Handsfree (HFP) and Audio Streaming (A2DP & AVRCP)
- HD Radio Ready™ and SIRIUS Radio Direct Connect Ready
- Built-in GPS Navigation



## Expanding Systems



### Note:

- The items listed outside of the frames are the commercial products generally sold.
- CCA-748: Sold by separately.

## 2. PRECAUTIONS

### WARNING

For your safety, the driver should not operate the controls while driving.  
Also, while driving, keep the volume to a level at which external sounds can be heard.

1. When the inside of the car is very cold and the player is used soon after switching on the heater, moisture may form on the disc or the optical parts of the player and proper playback may not be possible. If moisture forms on the disc, wipe it off with a soft cloth. If moisture forms on the optical parts of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.
2. Driving on extremely bumpy roads which cause severe vibration may cause the sound to skip.
3. This unit uses a precision mechanism. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts.
4. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio technician for help.

5. "Made for iPod," and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

iPhone and iPod are trademarks of Apple Inc., registered in the U.S. and other countries.

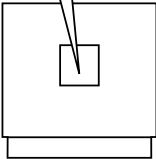
6. SIRIUS, the SIRIUS Dog logo and related marks are trademarks of SIRIUS XM Radio, Inc.
7. HD Radio™, HD Radio Ready™, and the HD Radio Ready logo are proprietary trademarks of iBiquity Digital Corporation.
8. DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license.

**ABOUT DIVX VIDEO:** DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that plays DivX video. Visit [divx.com](http://divx.com) for more information and software tools to convert your files into DivX videos.

**ABOUT DIVX VIDEO-ON-DEMAND:** This DivX

Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to [vod.divx.com](http://vod.divx.com) for more information on how to complete your registration.

<b>MODEL</b>	<b>NX602</b>	<b>clarion</b>
<b>12V Ⓟ GROUND --- 15A max</b>		
<b>AM 530-1710kHz FM 87.9-107.9MHz</b>		
THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.		
THIS DEVICE COMPLIES WITH DHS RULES 21 CFR CHAPTER I SUBCHAPTER 2 APPLICABLE AT DATE OF MANUFACTURE.		
This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from MS/SP.		
CLARION CO., LTD. 7-3, SHINTOSHIN-CHUO-KU, SAITAMA-SHI, SAITAMA-KEN, JAPAN		
HD Radio™, HD Radio Ready™, and the HD Radio Ready logo are proprietary trademarks of iBiquity Digital Corporation.		
Bluetooth GD ID No.: B017439	FCC ID: AX2NX602	
MANUFACTURED: <b>URF</b>		
SERIAL No.		
<input type="text"/> <small>12 digit</small>	<small>Clarion Co., Ltd. MADE IN CHINA P/N 1070760000</small>	



## INFORMATION FOR USERS:

Changes or modifications to this product unapproved by the manufacturer will void the warranty and will violate FCC approval.

## 3. CAUTIONS ON HANDLING

### *Front Panel / Generalities*

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For a longer service life, be sure to read the following cautions.

- Do not allow any liquids on the set from drinks, umbrellas, etc. Doing so may damage the internal circuitry.
- Do not disassemble or modify the set in any way. Doing so may result in damage.
- Do not let cigarettes burn the display. Doing so may damage or deform the body.
- If a problem should occur, have the set inspected at your store of purchase.
- The remote control unit may not work if the remote control sensor is exposed to direct sunlight.

### *Cleaning the body*

---

- Use a soft, dry cloth and gently wipe off the dirt.
- For tough dirt, apply some neutral detergent diluted in water to a soft cloth, wipe off the dirt gently, then wipe again with a dry cloth.
- Do not use benzene, thinner, car cleaner, etc., as these substances may damage the body or cause the paint to peel. Also, leaving rubber or plastic products in contact with the body for long periods of time may cause stains.

### *USB Port*

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- The USB memory stick may stick out when inserted, so it may cause danger during driving. When connect USB memory stick to the main unit, please use a USB extension cable.
- The USB memory sticks must be recognized as "USB mass storage class" to work properly. Some models may not operate correctly.

**When the memorized data is lost or damaged by any chance, Clarion shall not be liable for any damage.**

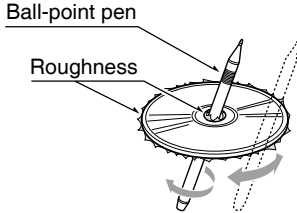
When using an USB memory stick, we recommend that you backup your data stored on it before using a personal computer etc.

- Data files may be broken when using USB memory sticks in the following situation: When disconnecting the USB memory stick or turning the power off during reading data.  
When affected static electricity or electric noise.  
Connect/disconnect the USB memory stick when it is not accessed.
- Connecting with the computer is not covered.

## Handling Discs

### Handling

- New discs may have some roughness around the edges. If such discs are used, the player may not work or the sound may skip. Use a ball-point pen or the like to remove any roughness from the edge of the disc.



- Never stick labels on the surface of the disc or mark the surface with a pencil or pen.
- Never play a disc with any cellophane tape or other glue on it or with peeling off marks. If you try to play such a disc, you may not be able to get it back out of the player or it may damage the player.
- Do not use discs that have large scratches, are misshapen, cracked, etc. Use of such discs may cause misoperation or damage.
- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.
- Do not use commercially available disc protection sheets or discs equipped with stabilizers, etc. These may damage the disc or cause breakdown of the internal mechanism.

### Storage

- Do not expose discs to direct sunlight or any heat source.
- Do not expose discs to excess humidity or dust.
- Do not expose discs to direct heat from heaters.

### Cleaning

- To remove fingermarks and dust, use a soft cloth and wipe in a straight line from the center of the disc to the circumference.
- Do not use any solvents, such as commercially available cleaners, anti-static spray, or thinner to clean discs.
- After using special disc cleaner, let the disc dry off well before playing it.

### On Discs

- Never turn off the power and remove the unit from the car with a disc loaded.

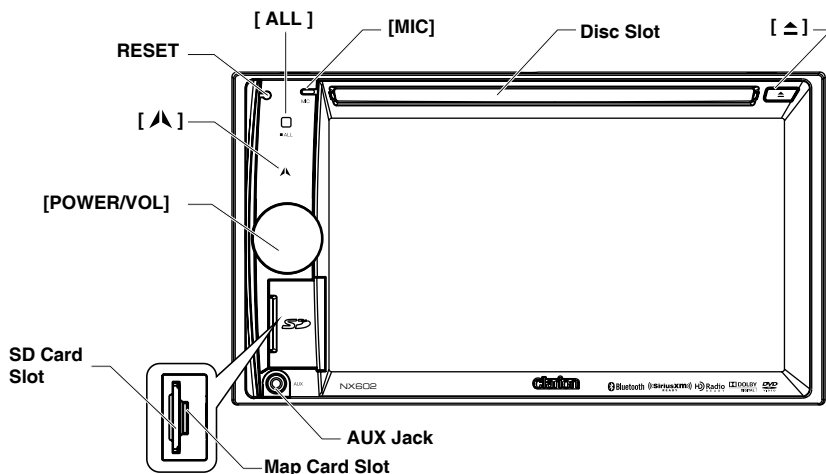
#### **CAUTION**

**For your safety, the driver should not insert or eject a disc while driving.**



# 4. CONTROLS

## Operational Panel



## Names of Buttons

### [POWER/VOL] Knob

- Press to power on the system when ignition on.
- When power on, short press to cut the sound.
- Rotate the knob to increase or decrease the volume.
- Press and hold this key more than 2 seconds to turn off the system.

### [ ALL ] Button

- Short press to show/exit shortcut menu.
- Long press to show/exit main source menu.

### [ ▲ ] Button

- Press to enter navigation mode;
- Press again to return current source.

### [ ▲ ] Button

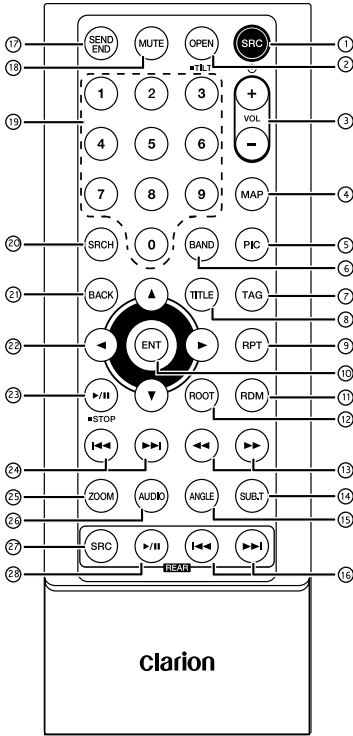
- Press to eject disc.

### [ MIC ] Hole

- Internal microphone

### [RESET] Button

- Press to load original settings.  
Note: When the [RESET] button is pressed, frequencies of radio stations, titles, etc. stored in memory are cleared.



- ① **[SRC /  $\downarrow$ ] Button**
  - Toggle the audio source
  - Power on / Power off (long press)
- ② **[OPEN] Button**
  - Not used
- ③ **[+], [-] Buttons**
  - Adjust volume level
- ④ **[MAP] Button**
  - Enter navigation mode
- ⑤ **[PIC] Button**
  - Adjust screen
- ⑥ **[BAND] Button**
  - Select tuner band
- ⑦ **[TAG] Button**
  - **SIRIUS** mode – Select category
- ⑧ **[TITLE] Button**
  - DVD TITLE MENU
- ⑨ **[RPT] Button**
  - Repeat playback
- ⑩ **[ENT] Button**
  - Enter
- ⑪ **[RDM] Button**
  - Random playback
- ⑫ **[ROOT] Button**
  - DVD ROOT MENU
- ⑬ **[<<], [>>] Buttons**
  - Manual tune
  - Fast backward/forward playback
- ⑭ **[SUB.T] Button**
  - DVD subtitle
- ⑮ **[ANGLE] Button**
  - DVD angle
- ⑯ **[<<], [>>] Buttons (Rear)**
  - Chapter up/down
  - Fast backward/forward playback (long press)
- ⑰ **[SEND/END] Button**
  - Pick up
  - Hang up
- ⑱ **[MUTE] Button**
  - Mute the volume
- ⑲ **[0]~[9] Button**
  - Numeric key
- ⑳ **[SRCH] Button**
  - **SIRIUS / DVB-T** mode – Number input mode
- ㉑ **[BACK] Button**
  - **DVD** mode – Back
- ㉒ **[ $\uparrow$ ], [ $\downarrow$ ], [ $\leftarrow$ ], [ $\rightarrow$ ] Buttons**
  - Move cursor up/down/left/right

## Remote Control

### 23 [▶/II/ STOP] Button

- Play/Pause
- Stop (long press)

### 24 [◀◀], [▶▶] Buttons

- Previous / next preset station
- Auto tune (long press)

### 25 [ZOOM] Button

- ZOOM (DVD)

### 26 [AUDIO] Button

- DVD audio

### 27 [SRC] Button (Rear)

- Change next source

### 28 [▶/II] Button (Rear)

- Play/Pause
- Stop (long press)

## Use and care of the remote control

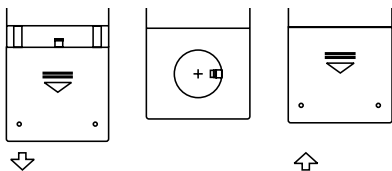
### Using the remote control

Point the remote control in the direction of the front panel to operate.

When using for the first time, pull out the film protruding from the tray.

### Replacing the battery

- 1 Slide the back cover of the remote control out.
- 2 Insert the battery with the plus (+) and minus (-) poles aligned properly.
  - When using for the first time, pull out the film protruding from the tray.
- 3 Close the back cover.



### ⚠ CAUTION

- Keep the battery out of the reach of children.  
Should the battery be swallowed, consult a doctor immediately.
- Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.

### ⚠ CAUTION

- Use one CR2025 (3 V) lithium battery.
- Remove the battery if the remote control is not used for a month or longer.
- There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic objects.
- If the battery leaks, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area.

### ► Important

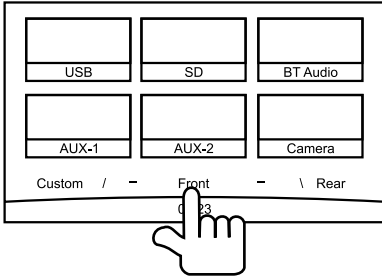
- Do not store the remote control in high temperatures or direct sunlight.
- The remote control may not function properly in direct sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal.

# 5. MAIN MENU OPERATIONS

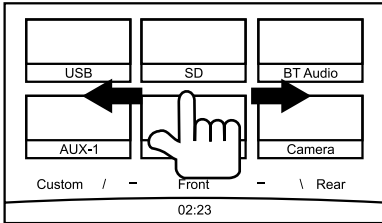
Long press **[ALL]** button on the PANEL to show main source menu.

## Front Zone Source

Touch **[Front]** on the bottom of screen to show front zone sources.



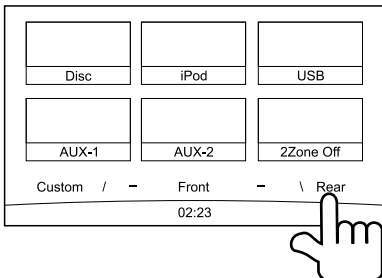
Change page by dragging left or right.



Touch the icons on the screen to enter corresponding work mode, such as Disc mode, Tuner mode, Telephone mode, etc. Touch **[AudioOff]** to mute the volume.

## Rear Zone Source

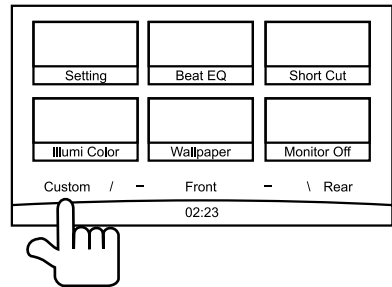
Touch **[Rear]** on the bottom of screen to show rear zone sources.



Touch the icons on the screen to enter corresponding work mode, such as Disc mode, USB mode, iPod mode, etc. Touch **[2ZoneOff]** to turn off the rear zone monitor.

## Custom Setting

Touch **[Custom]** on the bottom of screen to show custom setting menu.



**[Setting]**: Touch the icon to enter system setting menu. (see "System Setup")

**[Beat EQ]**: Touch the icon to enter equalizer setting menu. (see "System Setup")

**[Short Cut]**: Touch the icon to enter Shortcut setting menu. Hold the desired icon for more than 2 seconds until it's activated, then drag it to the bottom. The name will appear on the bottom.

- Hold the center of the screen and drag left or right to show more icons.
- You can make total 5 shortcuts.
- You can access the shortcut list by pressing the **[ALL]** button.

**[Illumi Color]**: Touch the icon to enter Illumination color setting menu. (see "System Setup")

**[Wallpaper]**: Touch the icon to enter Wallpaper setting menu. (see "System Setup")

**[MonitorOff]**: Touch the icon to turn off the monitor.

## 6. SYSTEM SETUP

At all mode, long press [ALL] button to enter main source menu. Touch [Custom] on the bottom left of the screen, then select [Settings] on the screen to enter Setting menu. Touch the icons on the left of screen to select category: General, Time, Sound, Display or Setup. To exit Setting menu, touch [↩] on the bottom left of the screen.

### General

#### System language

Touch the button to the right of “System language” to show language list. Select desired language, touch [OK] to confirm, or touch [Cancel] to exit without saving.

#### Close operation bar

When select [Auto], the operation bar will close automatically after 10 seconds.

When select [Manual], the operation bar will not close unless you touch the blank area on the screen.

#### Main Menu Icons

When select [Active], main menu show animation icons.

When select [Simple], main menu show simple icons.

#### Key Illumination

Touch [Set] to the right of “Key Illumination” to show key illumination setting menu.

**Scan Color:** Scan 12 preset button backlight, touch [Enter] to select desired one.

**Edit Color:** There are 12 preset colors and 3 custom colors, you can select one color by touch Color 1~12 or Custom 1~3.

Touch [Adjust] to show edit color menu.

Drag the color bar or inputting the RGB value to select one color, touch [Enter] to confirm.

**Initialize:** Load original Buttons backlight.

Touch [MENU] on the top left of the screen to return to main setting menu.

#### Wallpaper images

Touch [Set] to the right of “Wallpaper images” to show Wallpaper setting menu.

Touch [◀] or [▶] button to select the scene, and touch the picture file name on the right

to preview it, then touch [Set] to confirm the setting.

Touch [Import] to import the images from mobile storage.

#### Beep

Touch [On] or [Off] to turn on/off the key beep sound.

#### Blinking LED

Touch [On] or [Off] to turn on/off the blinking LED.

At blinking LED [On] mode, when ACC off, the LED on the top left of the panel will blink.

#### Screen calibration

Touch [Set] to calibrate the screen.

#### System software

Touch [Version] to show current software version.

#### Restore factory default

Touch [Restore] to load the original factory settings.

### Time

#### GPS sync

Touch [On] to synchronize time with GPS and the following settings are disable: “Date” and “Time”.

#### Date

Touch the button to the right of “Date” to show date setting menu. Touch [▲] or [▼] to select month, date or year. Touch [Set] to confirm or [Back] to exit without saving.

#### Date format

Touch the button to the right of “Date format” to select a date format from the sub-menu.

#### Time

Touch the button to the right of “Time” to show time setting menu. Touch [▲] or [▼] button to select hour or minute. Touch [Set] to confirm or [Back] to exit without saving.

**24-Hour format**

Touch [On] to select 24-Hour format.

Touch [Off] to select 12-Hour format.

**Sound****Beat EQ**

Touch the button to the right of "Beat EQ" to show EQ setting menu. You can select : "Bass Boost", "Impact", "Excite", "Custom" or "Off".

To adjust the value, touch [-] or [+] button on the screen.

Touch [Back] to exit.

**Balance/Fader**

Touch [Set ] to the right of "Balance/Fader" to show Balance/Fader setting menu.

Touch [ ▲ ] or [ ▼ ] button to adjust Fader, and touch [ ◀ ] or [ ▶ ] button to adjust Balance.

Touch [Center] to reset the value.

Touch [Back] to exit.

**Sub woofer control**

Touch [-] or [+] button on the right of "Sub woofer control" to adjust sub woofer level.

**Sub woofer phase**

Touch to select sub woofer phase Normal or Reverse.

**High pass filter**

Touch the button to the right of "High pass Filter" to show the sub-menu, then select the filter: "Through", "55Hz", "85Hz" or "120Hz".

Touch [Cancel] to exit.

**Low pass filter**

Touch the button to the right of "Low pass Filter" to show the sub-menu, then select the filter: "Through", "62Hz", "95Hz" or "135Hz".

Touch [Cancel] to exit.

**AMP Cancel**

Touch [On] to turn off the amplifier.

Touch [Off] to turn on the amplifier.

**Magna Bass Ex**

Touch [On] to turn on the loudness.

**Display****Dimmer Mode**

Touch [Auto], [Day] or [Night] to choose dimmer mode.

Auto: The dimmer is controlled by your car light.

**Dimmer**

Touch [-] or [+] button to the right of "Dimmer" to adjust dimmer.

The setting is only for Day or Night.

**Setup**

Touch [Setup] on the right of screen to spread the setting list. then touch the button to the right of desired option to adjust or show the sub-menu. Touch [Close] to close the list.

**AUX**

- Input Aux Level  
Choose "Low", "Middle" or "High" input level of auxiliary device.

**Bluetooth**

- **Bluetooth**  
Choose Bluetooth function on or off.
- **Telephone Speaker**  
Choose Front Left or Front Right speaker at telephone mode.
- **Tone Select**  
Touch [Auto] to use ringtones of your mobile phone.  
Touch [Internal] to use preset ringtone of the unit.
- **Software Update**  
Update the software.

**Camera**

- **Camera Interrupt**  
Choose [On], the screen will switch to rear camer menu automatically when backing.

**DivX**

- **Registration Code**  
Display DivX Registration Code.

## **DVD**

- **Menu Language**  
Select menu language from list.
- **Audio Language**  
Select audio language from list.
- **Subtitle Language**  
Select subtitle language from list.
- **Set Password**  
To set password for parental control, Touch [Set] to show password menu. Input numbers by touching the digit and [OK] buttons. Touch [X] button to delete a digit inputted. Touch [Back] to exit.
- **Parental Control**  
Touch the button to the right of “Parental Control” to show parental control menu. Enter password, then select a parental level. Touch [OK] to confirm or [Back] to exit.

## **Navigation**

- **Navigation Interrupt**  
Select navigation interrupt On, Popup or Off.
- **Voice Guidance**  
Turn on or off the voice guidance.

# 7. DISC OPERATIONS

## DVD System

DVD video is a high-quality digital video source that provides crisp and clear images. One 12 cm disc contains either one film or four hours of music.

### DVD Video Features

This unit provides the following functions in addition to the high image quality and sound quality of DVD video.

#### Note:

- The functions described in this section, for example, the recorded language, subtitles, angles, etc. differ depending on the DVD video disc. Refer to the instructions provided with the DVD video.
- Some disc functions may operate differently from described in this manual.

### Multi-sound function

DVD video can store up to 8 languages for one film; select the language of your preference.

- The languages stored on the disc are indicated by the icon shown below.



### Multi-angle function

A DVD video that is filmed from multiple angles allows you to select the angle of choice.

- The number of recorded angles are indicated by the icon shown below.



### Subpicture (subtitles) function

A DVD video can record subtitles for up to 32 languages and you can select the language of the subtitles you wish to see.

- The number of recorded subtitle languages are indicated by the icon shown below.



### Multi-story function

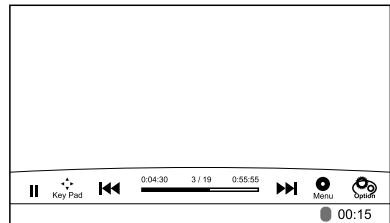
When a DVD video contains more than one story for a film, you can select the story you wish to enjoy.

The operation procedures vary with the disc; observe the instructions for selecting a story provided during playback.

### Menu screens

Menu can be called up during DVD video playback to perform menu setting.

- Example showing menu display




## Discs

### Playable discs

This DVD video player can play the following discs.

Playable discs		
 DVD video discs	 Audio CDs	 CD TEXT

Playable media files
 MP3/WMA

### About CD Extra discs

A CD Extra disc is a disc in which a total of two sessions have been recorded. The first session is Audio session and the second



session is Data session. Your personally-created CDs with more than second data sessions recorded cannot be played on this DVD video player.

**Note:**

- When you have a CD Extra disc, only the first session will be recognized.

**About playing a CD-R/CD-RW disc (MP3, WMA)**

This player can play CD-R/CD-RW discs previously recorded in music CD format (MP3, WMA)

**About playing a DVD-R/RW or DVD+R/RW disc**

This player cannot play DVD-R/RW and DVD+R/RW discs previously recorded in video CD format.

However, MP3/WMA files recorded on DVD-R/RW and DVD+R/RW discs can be played.

**Discs that cannot be played back**

This DVD video player cannot play back DVD-Audio, DVD-RAM, Photo CDs, etc.

**Note:**

It may also not be possible to play back CDs recorded on a CD-R unit and CD-RW unit. (Cause: disc characteristics, cracks, dust/dirt, dust/dirt on player's lens, etc.)

If a CD-R or CD-RW disc that has not been finalized is played, it will take a long time to start playing. Also, it may not be possible to play depending on its recording conditions.

You cannot play SuperAudio CDs Playback of the CD player is not supported even if it is a hybrid disc.

**About MP3/WMA playback**

This unit can play back CD-R/CD-RW, DVD-R/RW and DVD+R/RW discs on which MP3/WMA music data have been recorded.

For a detailed information, see the section entitled "Listening to MP3/WMA".

**Note on region numbers**

The DVD video system assigns a region number to DVD video players and DVD discs by sales area. DVD video players sold in the

America can play back DVD discs with the region number "ALL", "4" or any combination of numbers that also incorporate a "4".

The DVD video region number is marked on the disc jacket as shown below.




## Accessing a Disc

---

### CAUTION

**For your safety, the driver should not insert or eject a disc while driving.**

### ***Eject function***

Just pressing the [  ] button, ejects the disc even if the power to the unit was not turned on.

#### **Notes:**

- If you force a disc into before auto reloading, this can damage the disc.
- If a disc (12 cm) is left ejected for 15 seconds, the disc is automatically reloaded (Auto reload).

### ***Listening to a disc already loaded in the unit***

Long press [ ALL ] button to enter main source menu, then select [ Disc ] to enter Disc mode.

If Disc is not on the current source menu, touch [Front] on the bottom of the screen, then hold the center of screen and drag left/right to show more icons.

When the unit enters the Disc mode, play starts automatically.

### ***Loading a disc***

Insert a disc into the center of the disc slot with label facing up. The disc plays automatically after loading.

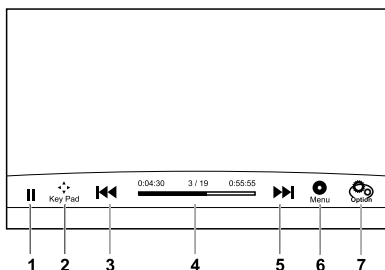
#### **Notes:**

- Never insert foreign objects into the disc slot.
- If the disc is not inserted easily, there may be another disc in the mechanism or the unit may require service.

## DVD Video Player Operation

### Playback menu

Touch the bottom half of screen to show operation bar.



1. Play/Pause
2. Show cursor keys in DVD title menu
3. Previous chapter  
Fast-backward (long press)
4. Progress bar
5. Next chapter  
Fast-forward (long press)
6. DVD title menu
7. Show other options

### Pausing play

1. Touch the [ || ] button on the screen to pause play.
2. Touch [ ▶ ] button to resume play.

### Selecting a chapter

#### Chapter-up

Touch the [ ▶▶ ] button to move to the beginning of the next chapter.

#### Chapter-down

Touch the [ ◀◀ ] button to move back to the beginning of the previous chapter.

### Fast-forward/Fast-reverse

#### Fast-forward

Touch and hold the [ ▶▶ ] button for more than 2 seconds.

#### Fast-reverse

Touch and hold the [ ◀◀ ] button for more than 2 seconds.

### Repeat

During playback, touch [ 🔁 ], [ Repeat ] buttons to repeat play.

### Search function

During playback, touch [ 🔍 ], [ 🔍 ] buttons to show search menu.

Input number by digit buttons, touch [ OK ] to began searching or touch [ Close ] to clear inputting.

Touch [Chapter] or [Title] to show DVD chapter/title list.

### DVD audio select

During playback, touch [ 🔊 ], [ Audio ] buttons to select audio language to listen if the DVD has multiple audio languages.

### DVD subtitle select

During playback, touch [ 🗣️ ], [ Subtitle ] buttons to select the subtitle language if the DVD has multiple language subtitles.

### Playback information

During playback, touch [ ⓘ ], [ Information ] buttons to view playback information.

### Adjust picture

During playback, touch [ 🖼️ ], [ Adjust Picture ] buttons to select wide screen.

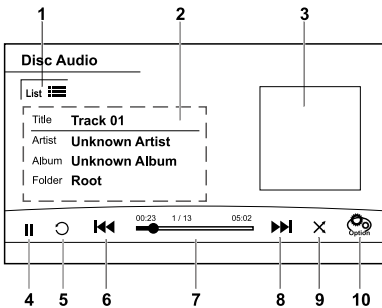
### DVD angle select

During playback, touch [ 📐 ], [ Angle ] buttons to select different angle to view if the DVD has multiple-angle views.

## CD Player Operation

### Playback menu

Touch the bottom half of screen to show operation bar.



1. Show track list.
2. Title/Artist/Album information
3. Track information  
Touch and drag left/right to look through the tracks.
4. Play/Pause
5. Repeat play
6. Previous track  
Fast-reverse (long press)
7. Playing time indicator
8. Next track  
Fast-forward (long press)
9. Random play
10. Show other options

### Pausing play

1. Touch the [ **||** ] button on the bottom left of the screen to pause play.  
"PAUSE" appears in the display, and [ **||** ] button becomes [ **▶** ].
2. Touch [ **▶** ] button to resume play.

### Selecting a track

#### Track-up

1. Touch the [ **▶▶** ] button to move to the beginning of the next track.
2. Each time you touch the [ **▶▶** ] button, the track advances to the beginning of the next track.

#### Track-down

1. Touch the [ **◀◀** ] button to move back to the beginning of the current track.
2. Touch the [ **◀◀** ] button twice to move back to the beginning of the previous track.

### Fast-forward/Fast-reverse

#### Fast-forward

Touch and hold the [ **▶▶** ] button .

#### Fast-reverse

Touch and hold the [ **◀◀** ] button .

\* For MP3/WMA discs, it takes some time until the start of searching and between tracks. In addition, some error may occur in the play time.

### Search Function

1. Touch the [ **List** ] button to show track list.  
Touch [ **Q** ] button to enter search menu.
2. Input numbers by touching digit buttons, then touch [Search] to began searching.  
To delete numbers, touch [ **⊞** ] button.
3. Touch [ **●** ] button to exit.

### Other various play functions

#### Scan play

This function allows you to locate and play the first 10 seconds of all the tracks recorded on a disc.

Touch the [ **🔍** ] button, then touch [Scan] to scan play.

#### Repeat play

This function allows you to play the current track repeatedly or play a track currently being played in the MP3/WMA folder repeatedly.

Touch the [ **○** ] button to select Track Repeat, Folder Repeat or All Repeat.

#### Random play

This function allows you to play all tracks recorded on a disc in a random order.

Touch the [ **×** ] button to perform random play.

## MP3/WMA Playback

This unit is an ID3 Tag compatible model. This unit supports the ID3 TAGs of the Version 2.4, 2.3, 1.1 and 1.0. In displaying, this unit gives priority to the Version 2.3 and 2.4 TAGs.

### What is MP3/WMA

MP3 is an audio compression method and classified into audio layer 3 of MPEG standards.

WMA is an audio compression method developed by Microsoft Corporation. These audio compression methods have penetrated into PC users and become a standard format.

These features compress the original audio data to about 10 percent of its initial size with a high sound quality. This means that about 10 music CDs can be recorded on a CD-R disc or CD-RW disc to allow a long listening time without having to change CDs.

Note: Some CDs recorded on CD-R/RW mode may not be usable.

### Displaying MP3/WMA TAG titles

Tag information such as title, artist and album title can be displayed for MP3/WMA file containing Tag information.

### Precautions when creating MP3/WMA file

#### Usable sampling rates and bit rates

1. MP3: Sampling rate 8 kHz-48 kHz, Bit rate 8 kbps-320 kbps / VBR
2. WMA: Bit rate 8 kbps-320 kbps

#### File extensions

1. Always add a file extension “.MP3”, “.WMA” to MP3, WMA file by using single byte letters. If you add a file extension other than specified or forget to add the file extension, the file cannot be played.
2. Files without MP3/WMA data will not play. The files will be played soundlessly if you attempt to play files without MP3/WMA data.

\* When VBR files are played, the play time display may differ the play location.

\* When MP3/WMA files are played, a little no sound part is caused between tunes.

### Logical format (File system)

1. When writing MP3/WMA file on a CD-R disc or CD-RW disc, please select “ISO9660 level 1, 2 or Joliet or Romeo” or Apple ISO as the writing software format. Normal play may not be possible if the disc is recorded on another format.
2. The folder name and file name can be displayed as the title during MP3/WMA play but the title must be within 32 single byte alphabetical letters and numerals (including an extension).
3. Do not affix a name to a file inside a folder having the same name.

### Folder structure

A disc with a folder having more than 8 hierarchical levels will be impossible.

### Number of files or folders

1. Up to 999 files can be recognized per folder.  
Up to 3000 files can be played.
2. Tracks are played in the order that they were recorded onto a disc. (Tracks may not always be played in the order displayed on the PC.)
3. Some noise may occur depending on the type of encoder software used while recording.

### Playing MP3 folders

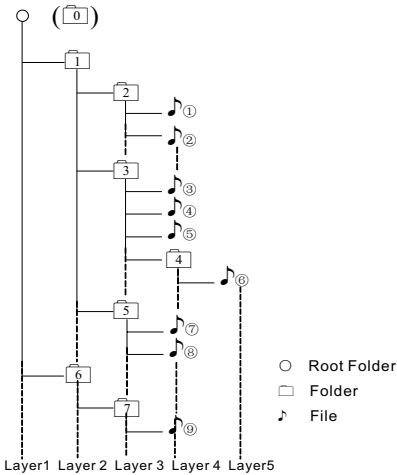
When selected for play, files and folders (Folder Search, File Search or Folder Select) are accessing in the order in which they were written to the media.

As a result, the order in which they are expected to be played may not match the order in which they are actually played.

You may be able to set the order in which MP3/WMA files are to be played by assigning file names beginning with play sequence numbers such as “01” to “99”.

For example, a medium with the following folder/file hierarchy is subject to Folder Search, File Search or Folder Select.

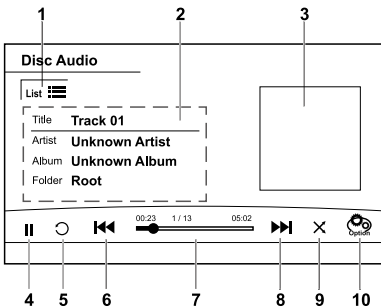
See the diagram below.



The player will only recognize three folder levels and does not display folders other folders. In the example above, the unit will display folders 2, 3, 5 and 7, but 1 and 6 since they do not contain others.

## Playback menu

Touch the bottom half of screen to show operation bar.



1. Show folder/file list.
2. Title/Artist/Album information
3. Track information  
Touch and drag left/right to look through the tracks.  
Touch and drag up/down to look through the albums.
4. Play/Pause
5. Repeat play
6. Previous track  
Fast-reverse (long press)
7. Progress bar
8. Next track

Fast-forward (long press)

9. Random play
10. Show other options

## Folder Select

This function allows you to select a folder containing MP3/WMA files and start playing from the first track in the folder.

Touch the [List] button on the upper left of the screen to show folder/file list. You can select a folder or file by touching it.

## Search Function

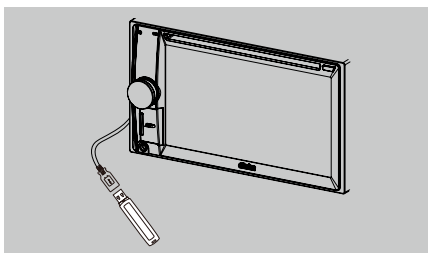
1. Touch the [List] button to show folder/file list. Touch [Q] button to enter search menu.
2. Input numbers by touching digit buttons, then touch [Search] to began searching.  
To delete numbers, touch [X] button.

Other operations about playing MP3/WMA are almost same as CD Player mode.

## 8. SD/USB OPERATION

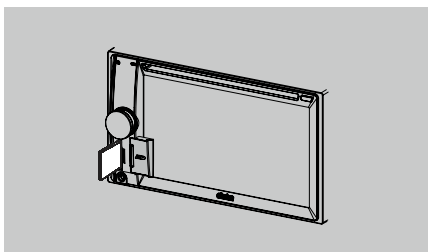
### *Accessing a USB*

1. Insert a USB device into the USB cable.  
When connecting a USB device, the unit will read the files automatically.
2. To remove the USB device, you should first select another source or turn off the power, in order to avoid damaging the USB device. Then take off the USB device.
3. To access a USB device already connected to the unit, long press [ ALL ] button to enter main source menu, then select [ USB ] to enter USB mode.  
If [USB] is not on the current source menu, touch [Front] on the bottom of the screen, then hold the center of screen and drag left/right to show more icons.



### *Accessing an SD Card*

1. Push the cover of the card slot located on the bottom left of the panel to the right. Insert a SD card into the card slot.  
When inserting a card, the unit will read the files automatically.
2. To remove the card, you should first select another source or turn off the power, in order to avoid damaging the card. Press to pop it out, then take off the card. Close the cover to the left.
3. To access a USB device already inserted in the unit, long press [ ALL ] button to enter main source menu, then select [ SD ] to enter SD mode.  
If [SD] is not on the current source menu, touch [Front] on the bottom of the screen, then hold the center of screen and drag left/right to show more icons.



## SD/USB Audio Operations

This system can play audio files (MP3/WMA) stored in an SD card or USB memory. You can use it as an audio device by simply copying desired audio files into it.

### Note:

This system will not operate or may operate improperly with some card or USB. Files protected with any DRM cannot be played.

### Select SD/USB Audio mode

Touch top left corner of the screen until SD Audio or USB Audio appears.

Operations about SD/USB audio operations are almost same as MP3/WMA playback mode.


## SD/USB Video Operations

This system can play video files (MP4, etc) stored in an SD card or USB memory. You can use it as an video device by simply copying desired video files into it.

### Note:

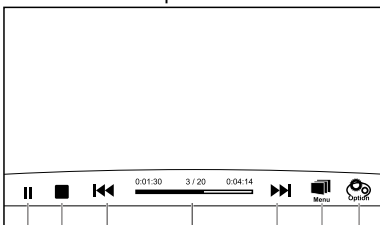
This system will not operate or may operate improperly with some card or USB. Files protected with any DRM cannot be played.

### Select SD/USB Video mode

Touch top left corner of the screen until SD Video or USB Video appears.  
Touch [  ] button to show folder/file list.  
Select a desired file to play.

### Playback menu

When playing, touch the bottom half of screen to show operation bar.



1. Play/Pause
2. Stop
3. Previous file  
Fast-reverse (long press)
4. Progress bar

5. Next file  
Fast-forward (long press)
6. Show video menu
7. Show other options



[Repeat]: Repeat playback.

[Audio]: Select audio channel.

[Sub  
Title]: Select DVD subtitle.


[Information]: Show current video information.

### Pausing play


1. Touch the [  ] button on the screen to pause play.  
"PAUSE" appears in the display.
2. Touch [  ] button to resume play.

### Selecting a file

#### File-up

Touch the [  ] button to move to the beginning of the next file.

#### File-down

Touch the [  ] button to move back to the beginning of the previous file.

### Fast-forward/Fast-reverse

#### Fast-forward

Hold the [  ] button .

#### Fast-reverse


Hold the [  ] button .

### Repeat play




This function allows you to play the current file repeatedly or play files currently being




played in the folder repeatedly.

Touch the [  ] button and touch [Repeat] button to select File Repeat, Folder Repeat, All Repeat or Repeat Off.


### **Search function**

1. At video main menu, touch the [  ] button to show folder/file list.
2. Touch [  ] button to enter search menu.
- 3 Input numbers by touching digit buttons, then touch [Search] to began searching.  
To delete numbers, touch [  ] button.

### **Audio select**

Touch the [  ] button and touch [ **AUDIO** ] button to select audio language to listen if the file has multiple audio languages.

### **Subtitle select**

Touch the [  ] button and touch [ **SUBTITLE** ] to select the subtitle language if the file has multiple language subtitles.

## 9. BLUETOOTH OPERATION

The Bluetooth allows you to utilize your car's built-in audio system for wireless mobile phone or music handsfree communication. Some Bluetooth mobile phones have the audio features, and some portable audio players support Bluetooth feature. This system can play audio data stored in a Bluetooth audio device. The car stereo with Bluetooth will be able to retrieve phonebook contacts, received call, dialled call, missed call, incoming calls, outgoing call and listen to music.


### Note:

- Do not leave the microphone of Bluetooth handsfree in the places with wind passing such as air outlet of the air conditioner, etc. This may cause a malfunction.
- If leave it in the places subjected to direct sun, high temperature can cause distortion, discoloration which may result in a malfunction.
- This system will not operate or may operate improperly with some Bluetooth audio players.
- Clarion cannot guarantee the compatibility of all mobile phones together with the unit.
- Audio playback will be set to the same volume level as set during telephone call. This might cause problems, if extreme volume level is set during telephone call.

## Bluetooth Telephone Operations


### Handsfree Operations

#### Pairing

1. Turn on the Bluetooth function of the unit. (see <System Setup>, <Bluetooth>)
2. Turn on Bluetooth function of your mobile phone.
3. Enter mobile phone's Bluetooth setup menu.
4. Search for new Bluetooth devices.
5. Select **NX602** from the pairing list on the mobile phone.
6. Enter "0000" as the password.
6. After pairing successfully,  icon on the bottom right of the screen turns blue.

#### Choose paired device

After paired, the mobile device information appears on the right of screen, such as model number, Signal, Battery.

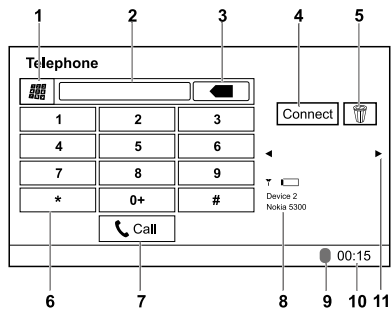
1. To select other paired device, hold the middle right of the screen, and drag it left or right, touch it to show control buttons.
2. Touch [Connect] to connect the bluetooth device. Touch [Cut] to disconnect.
3. Touch [  ] to delete the paired device from pairing list.

#### Telephone menu

Long press [ ALL ] button to enter main source menu, then select [Telephone] to

enter telephone mode.




If [Telephone] is not on the current source menu, touch [Front] on the bottom of the screen, then hold the center of screen and drag left/right to show more icons



1. Show history categories.
2. Input box
3. Backspace
4. Connect to a paired Bluetooth device
5. Delete a paired device name.
6. Number pad
7. Call/Hang up
8. Paired device information
9. Bluetooth indicator
10. System time
11. Look through paired devices.




## Making a call

### • Dial Number

1. Input numbers by digit-keys on the screen.
2. Touch [  Call ] button to dial.  
Touch [  ] button to delete characters.
3. Touch [  End ] button to terminate call.




### • Dialed/Received/Missed Call History

You can search any Dialed/Missed/Received Call History.

1. Touch [  ] button to show following history categories: Dialed, Received, Missed and Contacts.  
Touch [Dialer] to dial number manually.
2. Touch to select a category, the numbers of the category are displayed.
4. Select a number, touch [  Call ] button to dial.  
Touch [  ] to return previous menu.

### • Call from Phonebook


You can search the contact name in the phonebook and make call.


1. Touch [  ] button and select [Contacts].  
It may take a few minutes to synchronize the phone book at first time.
2. Select a number, touch [  Call ] button to dial.  
Touch [  ] to return previous menu.

### Note:




Some cellular phones may not be able to transfer the Phone Book data.

### • Answering a call

You can answer an incoming call by pressing the [  Call ] button.

\* Touch [  End ] button to reject an incoming call.

## Operation bar

Touch lower right of the screen to show the operation bar, touch [  ] or [  ] button to show more icons and touch [  ] to exit.

BT Power: Turn on/off the bluetooth function.

Auto Connect: Turn on the function to re-connect automatically.

Auto Answer: Turn on the function to answering a call automatically.

PinCode: Touch to set a PIN code on the key pad.

MicroPhone: Touch to select internal or external microphone.

Microphone Gain: Touch to set the gain of microphone

Information: Touch to show Bluetooth version.

## Bluetooth Audio Operations

### Audio Streaming Operations

#### What is audio streaming?

Audio streaming is a technique for transferring audio data such that it can be processed as a steady and continuous stream. Users can stream music from their external audio player to their car stereo wirelessly and listen to the tracks through the car's speakers. Please consult your nearest Clarion dealer for more information on the product of wireless audio streaming transmitter offered.

#### CAUTION

**Please avoid operating your connected mobile phone while audio streaming as this may cause noise or sound choppy on**

the song playback.

**Audio streaming may or may not resume after telephone interrupt as this is dependent on mobile phone.**

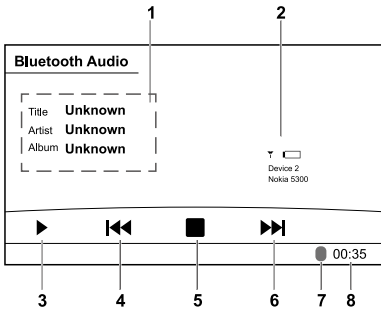
**System will always return to Radio mode if audio streaming is disconnected.**

### Note:

Be sure to read the chapter "Pairing" and "Choose paired device" before proceeding.

### Playback menu

Touch the bottom half of screen to show operation bar.



Please make sure both device and main unit are in the same play/pause status in Bluetooth Audio mode.

1. Title/Artist/Album information
2. Device Information
3. Play/Pause
4. Previous track  
Fast-reverse (long press)
5. Stop
6. Next track  
Fast-forward (long press)
7. Bluetooth indicator
8. System time

### ***Play / Pause a track***

1. Touch the [ || ] button to pause audio playback.
2. To resume audio playback, touch the [ ▶ ] button.

### ***Selecting a track***

#### **Track-up**

1. Touch the [ ▶▶ ] button to move to the beginning of the next track.
2. Each time you touch the [ ▶▶ ] button, the track advances to the beginning of the next track.

#### **Track-down**

1. Touch the [ ◀◀ ] button to move back to the beginning of the current track.
2. Touch the [ ◀◀ ] button twice to move back to the beginning of the previous track.

#### **Stop playback**

Touch [ ■ ] button to stop playback.

#### **Note:**

Playing order will depend on Bluetooth audio player. When [ ◀◀ ] button is pressed, some A2DP devices will restart the current track depends on the duration of playback.

Some Bluetooth audio players may not have play/pause synchronized with this unit.

# 10. RADIO OPERATION

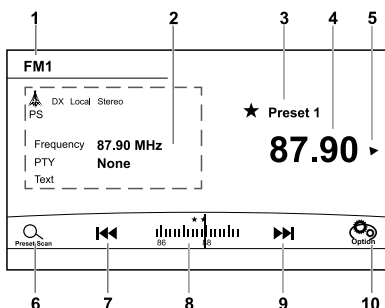
## Select tuner as playing source

Long press [ **ALL** ] button to enter main source menu, then select [ **Tuner** ] to enter **Tuner** mode.

If Tuner is not on the current source menu, touch [ **Front** ] on the bottom of the screen, then hold the center of screen and drag left/right to show more icons.

## Playback menu

Touch the bottom half of screen to show operation bar.



1. Band switch
2. Information area
3. Preset station number
4. Current station frequency
5. Show preset stations list.
6. Scan preset stations.
7. Manual tune backward.  
Auto tune backward. (long press)
8. Frequency bar
9. Manual tune forward.  
Auto tune forward. (long press)
10. Show other options

**Touch the bottom half of screen to show operation bar.**

## Select one radio band

Touch the top left corner of the screen to select one radio band among FM1, FM2, FM3 and AM.

## Manual tuning

During manual tuning, the frequency will be changed in steps.

Touch the [ **◀◀** ] or [ **▶▶** ] button on the

operation bar to tune in a higher / lower station.

## Auto tuning

Hold the [ **◀◀** ] or [ **▶▶** ] button on the operation bar for more than 2 seconds to seek a higher / lower station.



To stop searching, repeat the operation above or press other buttons having radio functions.

### Note:

When a station is received, searching stops and the station is played.


## Preset scan

Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.

1. Touch the [  ] button on the operation bar.
2. When a desired station is tuned in, press the [  ] button to continue receiving that station.

## Auto store

Only stations with sufficient signal strength will be detected and stored in the memory.

To start automatic station search, touch following buttons on the operation bar in sequence: [  ] -> [ **▶** ] -> [ **Auto Store** ] -> [ **OK** ].

To stop auto store, press other buttons having radio functions.

### Notes:

1. After auto store, the previous stored stations will be overwritten.
2. The unit has 4 bands, such as FM1, FM2, FM3 and AM. FM3 and AM can store by AS function. Each bands can store 6 stations, NX602 can store 24 stations in total.

## Manual store

When one expected radio station has been detected, touch [ **▶** ] button on the right edge of the screen to show the preset station list, hold one of the six preset stations for more than 2 seconds to store it in the memory.

Touch [ ◀ ] button near the center of screen to hide the preset station list.


### ***Recall the stored stations***

Touch [ ▶ ] button on the right edge of the screen to show the preset station list, touch to select a preset station.

Touch [ ◀ ] button near the center of screen to hide the preset station list.

### ***Local seeking***

When LOCAL seeking is on, only those radio stations with strong radio signal could be received.

To open or close LOCAL function, touch [  ] button on the operation bar, then touch the [Mode] button to select "Local" or "DX".

#### **Note:**

The number of radio stations that can be received will decrease after the local seeking mode is on.

# 11. SATELLITE RADIO OPERATION

Listeners can subscribe to SIRIUS® Radio on the Web by visiting [www.sirius.com](http://www.sirius.com), or by calling (888) 539-SIRIUS. Customers should have their SIRIUS ID ready (SIRIUS ID is located on the SCC1: SIRIUS Connect Vehicle Tuner, sold separately). Customers can listen to music samples by tuning to channel 184.

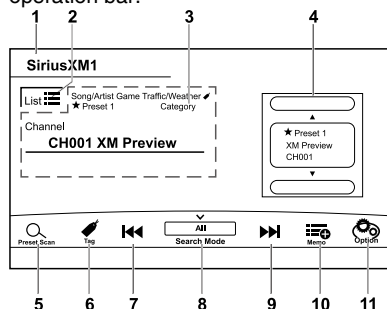
## Accessing satellite radio mode

Long press [ **ALL** ] button to enter main source menu, then select [ **SiriusXM** ] to enter **SiriusXM** mode.

If [ **SiriusXM** ] is not on the current source menu, touch [ **Front** ] on the bottom of the screen, then hold the center of screen and drag left/right to show more icons.

## Operation menu

Touch the bottom half of screen to show operation bar.



1. Band switch
2. Show channel list
3. Information area
4. Current channel information  
Touch and drag up/down to view other channels.
5. Show preset channels list.
6. Add tag
7. Manual tune backward.  
Auto tune backward. (long press)
8. Select search mode.
9. Manual tune forward.  
Auto tune forward. (long press)
10. Show memorize sub-menu.
11. Show other options

## Displaying the Identification (ID) Code

Before you listen to satellite radio, you must subscribe to the service using your radio's identification number.

To display the radio ID, touch following buttons on the operation bar in sequence: [ ] -> [ ] -> [ SIRIUS ID ]

The screen displays the radio ID where the channel name is usually displayed.

## Select a band

Touch the top left corner of the screen to change between three SiriusXM bands (SiriusXM1, SiriusXM2 and SiriusXM3). Each band stores up to six preset stations.

## Select a station

Touch the [ ] or [ ] button on the operation bar to tune to another station.

## Preset mode

Six numbered preset buttons store and recall stations for each band.

## Preset scan

1. Touch the [ ] button on the operation bar.
2. When a desired station is tuned in, press the [ ] button to continue receiving that station.

## Storing a station

To access Preset Channels Store menu, touch [ ] button.

Select a preset position on the screen. Touch [ ] to store. Touch [ ] button to delete.

## Delete preset channel



To access Delete Preset Channel menu, touch [ ] button.

Select a channel and touch [ ] to delete it.



## Recalling a channel

1. Select a band (if needed).
2. Touch [ ] button on the upper left of the screen to show list menu.
3. Touch to select the corresponding stored station.


### **Category and Channel search**

1. Touch [  ] button on the upper left of the screen to show list menu.
2. Touch [  ], then select Channel or Category list.
3. Hold the list and drag it up or down to scroll.
4. Touch to select it.



### **Direct search**

To access search menu, touch following buttons: [  ] -> [  ] .


Input numbers by touching digit buttons, then touch [Search] to began searching.

To delete numbers, touch [  ] button.

### **Password**

To access password setting menu, touch following buttons on the operation bar in sequence: [  ] -> [  ] -> [Password] .

Input old password by touching digit buttons, then touch [OK] to confirm.



To delete a number, touch [  ] button.

To delete all numbers, touch [Clear] button.



Then input a new 4-digit password as above.



(Original password: 0000)

### **Lock / Unlock**


To show channel lock menu, touch following buttons on the operation bar in sequence: [  ] -> [  ] -> [Lock].

You need input password.

Touch [  ] or [  ] button to scroll the list.

Touch [  ] to lock station, and [  ] to unlock.

### **Song/Artist Alart**

Touch [  ] button on the operation bar to show Memorize sub-menu. Touch [This song] to add it to the "Song Alart" list. Touch [This artist] to add it to the "Artist Alart" list.

When the memorized song/artist is played on other Channel. Select [OK] on the dialogue box to change the channel to play memorized song/artist.

Touch [Cancel] on the dialogue box to return to previous screen.



## 12. HD RADIO OPERATION

### About HD Radio™ Technology

HD Radio Technology allows CD-quality digital broadcasting of your local AM and FM radio stations. HD Radio broadcasts can include multiple channels on the same frequency, which is called multicasting. With multicasting, you can receive up to eight additional multicast channels: HD1~HD8.

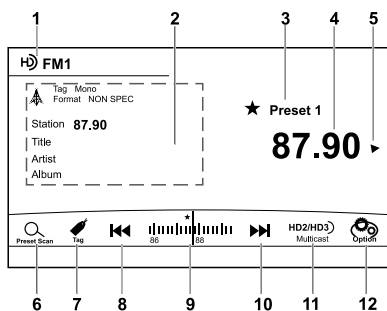
With an HD Radio tuner connected, you will receive HD Radio digital broadcasts automatically when tuned to a station that offers HD Radio Technology.

**NOTE: Not all FM or AM stations offer HD Radio (digital) broadcasting. You can receive both analog and digital stations with the unit.**

### Accessing radio mode

Long press [ ALL ] button to enter main source menu, then select [ HD Radio ] to enter **HD Radio** mode.

If HD Radio is not on the current source menu, touch [ Front ] on the bottom of the screen, then hold the center of screen and drag left/right to show more icons.



1. Band switch
2. Information area
3. Current preset station number
4. Current station frequency
5. Show preset stations list.
6. Scan preset stations.
7. Add tag
8. Manual tune backward.  
Auto tune backward. (long press)
9. Frequency bar
10. Manual tune forward.

Auto tune forward. (long press)

11. Show multicast sub-menu.
12. Show other options

**Touch the bottom half of screen to show operation bar.**

### Select a band

Touch the top left corner of the screen to select one radio band among FM1, FM2, FM3 and AM.

### Tuning

#### - Seek Tuning

Hold the [◀◀] or [▶▶] button for more than 2 seconds on the operation bar to seek a higher / lower station.

#### - Manual Tuning

Press the [◀◀] or [▶▶] button on the operation bar to move the radio frequency number up or down one step.



### Preset stations

Up to six stations on each band can be stored as presets, which can then be instantly recalled by pressing the associated preset button. To store a station, turn the radio on and select the desired band and station. Press and hold the desired preset button (numbered one through six on the face of the radio or remote control) for more than 1 second. When stored, the preset number will appear in the display. The station is now stored and can be recalled by pressing the corresponding preset button. Repeat for the remaining five presets on the current band and for presets on the other four bands.



**NOTE: Multicast stations can be stored as presets, but the unit must be in Digital or Auto reception mode to receive them.**

### Preset scan

Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.


1. Touch the [  ] button on the operation bar.
2. When a desired station is tuned in, press the [  ] button to continue receiving that station.

### ***Automatic store (AS)***

Only stations with sufficient signal strength will be detected and stored in the memory. To start automatic station search, touch following buttons on the operation bar in sequence: [  ] -> [  ] -> [Auto Store] -> [OK] .

To stop auto store, press other buttons having radio functions.

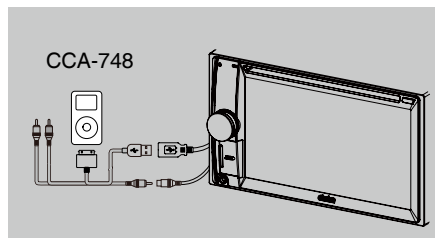
### ***HD Radio multicast channels***

Touch [  ] button to switch to next sub-station of the channel.

# 13. iPod & iPhone OPERATIONS

Connect an iPod or iPhone to the USB connector via CCA-748 cable.

When connecting a device, the unit will read the files automatically. The track information display on the screen once playback start.

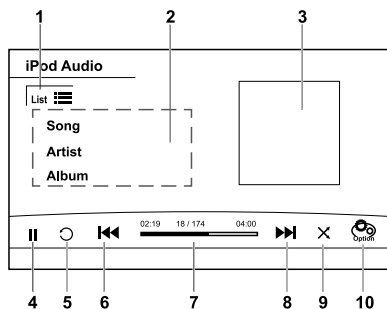


## Accessing iPod mode

Long press [ **ALL** ] button to enter main source menu, then select [ **iPod** ] to enter iPod mode.

If [ **iPod** ] is not on the current source menu, touch [ **Front** ] on the bottom of the screen, then hold the center of screen and drag left/right to show more icons.

At iPod Audio mode, touch the bottom half of screen to show operation bar.



1. Show file list.
2. Song/Artist/Album information  
Touch and drag left/right to look through the tracks.  
Touch and drag up/down to look through the albums.
4. Play/Pause
5. Repeat play
6. Previous track  
Fast-reverse (long press)

7. Progress bar
8. Next track  
Fast-forward (long press)
9. Random play
10. Show other options

## Pausing play

1. Touch the [ **||** ] button on the bottom left of the screen to pause play.  
"PAUSE" appears in the display, and [ **||** ] button becomes [ **▶** ].
2. Touch [ **▶** ] button to resume play.

## Selecting a track

### Track-up

1. Touch the [ **▶▶** ] button to move to the beginning of the next track.
2. Each time you touch the [ **▶▶** ] button, the track advances to the beginning of the next track.

### Track-down

1. Touch the [ **◀◀** ] button to move back to the beginning of the current track.
2. Touch the [ **◀◀** ] button twice to move back to the beginning of the previous track.

## Fast-forward/Fast-reverse

### Fast-forward

Touch and hold the [ **▶▶▶** ] button .

### Fast-reverse

Touch and hold the [ **◀◀◀** ] button .

\* For MP3/WMA discs, it takes some time until the start of searching and between tracks. In addition, some error may occur in the play time.

## Repeat play

This function allows you to play the current track repeatedly or play a track currently being played in the MP3/WMA folder repeatedly.




Touch the [ **○** ] button to select Track Repeat, Folder Repeat or All Repeat.

## Random play

This function allows you to play all tracks recorded on a disc in a random order.


Touch the [ **×** ] button to perform random play.

## Search function

1. Touch the [  ] button to show file list.  
Touch [  ] button to enter search menu.
2. Input characters by touching buttons on the screen, then touch [Search] to began searching.  
Touch [123] to show digit keypad, touch [ABC] to show letter keypad.  
Touch [Space] to input a blank space.  
Touch [  ] button to delete characters.





## Setting iPod simple control mode

Use this function if you wish to operate through your iPod connected to this unit via the USB cable.

Touch the [  ] button, then touch [Simple Control] to set it to [On].

## iPod menu alphabet search

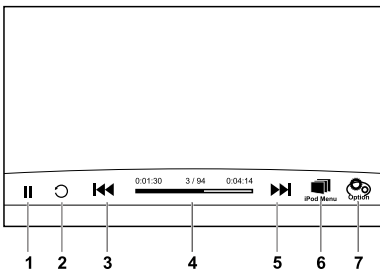
This function searches the subfolders for desired alphabetical letters.

1. Touch the [  ] button to show file list.
2. Touch [  ], [  ] and [  ] buttons to show the following categories: Playlists, Songs, Artists, Albums, Genres, Composers, Audiobooks, Podcasts
3. Touch to select a category, the contents of the category are displayed.
4. Select an option to search.

## iPod video playback

To playback video from iPod, touch top left corner of the screen, then select a video file to play.


During playback, touch the bottom half of screen to show operation bar.




1. Play/Pause
2. Repeat play
3. Previous file  
Fast-reverse (long press)

4. Progress bar
5. Next file  
Fast-forward (long press)
6. Show iPod menu
7. Show other options

## Return to video list menu

Touch [  ] button on the operation bar to return to video list menu.

## Play videos in wide screen

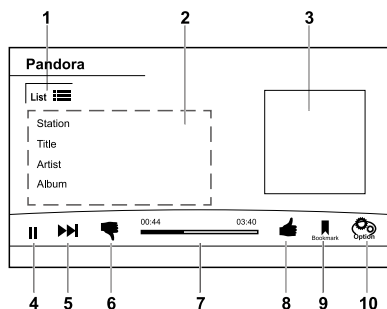
To play videos in wide screen, touch the [  ] button, then touch [Wide screen] to set it to [On].

# 14. PANDORA OPERATIONS

Connect an iPhone to the unit via CCA-748 cable. (see “Wiring and Connections”)


Enable the Pandora function in your iPhone. Then the unit will switch to Pandora mode.

Touch the bottom half of screen to show operation bar.




1. Show file list.
2. Song/Title/Artist/Album information
3. Current song/station information
4. Play/Pause
5. Skip
6. Thumbs Down
7. Progress bar
8. Thumbs Up
9. Add bookmark
10. Show other options


## Add bookmark


Touch [  ] button, then select [Song] or [Artist] to add it to the bookmark list.

## Store a new station


Touch [  ] button and [New Station] button. Then select [Song] or [Artist] to add it to the station list.

## Thumbs up/down

Touch [  ] button, “Thumbs-Up” feedback will be sent to Pandora station.

Touch [  ] button, “Thumbs-Down” feedback will be sent to Pandora station.

## Select a stored station

Touch [  ] button to show station list.

Touch [By Date] to list the stations by date.

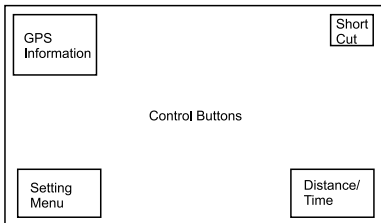
Touch [A-Z] to list the stations from A to Z.

Drag up or down to scroll the list, select a desired station to play it.

# 15. NAVIGATION OPERATIONS

## Access navigation mode

1. Push the cover of the card slot located on the bottom left of the panel to the right. Insert a map card into the mini card slot.
2. To remove the card, you should first select another source or turn off the power, in order to avoid damaging the card. Press to pop it out, then take off the card. Close the cover to the left.
3. Press [ ▲ ] button on panel to visit Navigation mode.



## Control buttons

1. Touch top left corner of the screen to show GPS informations. Touch [Back] to return.
2. Touch bottom left corner of the screen to enter Navigation menu. Touch [Show Map] to return.
3. Touch top right corner of the screen to show shortcuts of general functions. Touch [ > ] button to hide.
4. Touch bottom right corner of the screen to show Distance/Time Left/Arrival Time. Touch it again to hide.
5. Touch the blank area to show control buttons.
  - Top left corner: Plane/three-dimensional
  - Top right corner: Cursor location.
  - [ ← ]/[ → ]: Move left/right
  - [ ↑ ]/[ ↓ ]: Move up/down
  - [ + ]/[ - ]: Enlarge/reduce the map
  - [Back]: Hide the buttons.
  - [More]: Show more informations.
  - [Select]: Select the route.

# 16. AUX OPERATIONS

Long press [ ALL ] button to enter main source menu, then select [AUX-1] to visit front auxiliary device, and touch [AUX-2] to enter rear auxiliary device.

If [AUX] is not on the current source menu, touch [Front] on the bottom of the screen, then hold the center of screen and drag left/right to show more icons.

AUX is just for audio content with 3.5mm Jack connector plugged into audio-in socket on the front panel.

# 17. TROUBLE SHOOTING

## GENERAL

Problem	Cause	Measure
Unit can not power on.	Unit fuse blown.	Replace with new fuse of correct rating.
	Car battery fuse blown.	Replace with new fuse of correct rating.
Unit can not power on. Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power and remove the DCP. Press the [RESET] button with a thin rod.  <b>Note:</b> When the [RESET] button is pressed, turn off the ACC power.*  * When the [RESET] button is pressed, frequencies of radio stations, titles, etc. stored in memory are cleared.
Remote control does not work.	Battery depleted.	Change the battery.
	Battery installed incorrectly.	Install the battery correctly.
No/low audio output	Improper audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
	Heavily biased volume balance.	Adjust the channel balance to center position.
	Speaker wiring is in contact with metal part of car.	Insulate all speaker wiring connections.
Poor sound quality or distortion	Non-standard disc used.	Use a standard disc.
	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
	Speaker is shorted.	Check wiring and correct.
Unit resets itself when engine is off.	Incorrect connection between ACC and Battery.	Check wiring and correct.

## DISC Player

Problem	Cause	Measure
Disc cannot be loaded.	Another disc is already loaded.	Eject the disc before loading the new one.
	There is an object installed inside the unit.	Remove the object inside the unit.
Sound skips or is noisy.	Compact disc is dirty.	Clean the compact disc with a soft cloth.
	Compact disc is heavily scratched or warped.	Replace with a compact disc with no scratches.
Sound is bad when power is first turned on.	Condensation may form on the internal lens when the car is parked in a humid place.	Let dry for about 1 hour with power on.

## USB Devices

Problem	Cause	Measure
USB device cannot be inserted.	The USB device has been inserted with wrong direction.	Reversing the connection direction of the USB device, try it again.
	The USB connector is broken.	Replace with a new USB device.
USB device is not recognized.	The USB device is damaged.	Disconnect the USB device and reconnect. If the device is still not recognized, try replacing with a different USB device.
	Connectors are loose.	
Sound skips or is noisy.	MP3/WMA files are not encoded properly.	Use MP3/WMA files encoded properly.

## Bluetooth

Problem	Cause	Measure
Cannot pair the Bluetooth enabled device with the car audio system.	The device does not support the profiles required for the system.	Use another device to connect.
	The Bluetooth function of the device is not enabled.	Refer to the user manual of the device for how to enable the function.
The audio quality is poor after connection with a Bluetooth-enabled device.	The internal microphone gain is not set correctly.	Adjust the gain of the internal microphone in System Setup.
	The external microphone is not set correctly nor properly positioned.	Adjust the gain and position of the external microphone. For example, stick the microphone onto the dashboard so it is close to the driver.



# 18. ERROR DISPLAYS

If an error occurs, one of the following displays is displayed.

Take the measures described below to solve the problem.

Display	Cause	Measure
Disc loading	Disc is being read	Please wait, it may take several minutes for some disc or storage device.
No Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
	Disc not present in loading compartment	Insert disc
Bad Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
Unknown disc	Disc format is not compatible with this unit	Change another disc.
Region Error	DVD is not compatible with region code of unit	Use discs with corresponding regional code.
Error	Illegal mechanism operation	Press EJECT key for 5 seconds to reset loading mechanism

If an error display other than the ones described above appears, press the **[RESET]** button. If the problem persists, turn off the power and consult your store of purchase.

- \* When the **[RESET]** button is pressed, frequencies of radio stations, titles, etc. stored in memory are cleared.

# 19. SPECIFICATIONS

## FM Tuner

Frequency range: 87.9-107.9MHz  
 Usable sensitivity: 8dB $\mu$   
 Frequency response: 30Hz-15kHz  
 Stereo separation: 30dB(1kHz)  
 Signal/noise ratio: >55dB

## AM Tuner

Frequency range: 530-1710kHz  
 Usable sensitivity (S/N=20dB): 30dB $\mu$

## Disc Player

System: Disc digital audio system  
 Frequency response: 20Hz-20kHz  
 Signal/noise ratio: >80dB  
 Total harmonic distortion: Less than 0.1% (1kHz)  
 Channel separation: >60dB  
 Video signal output: NTSC/PAL  
 Video output level: 1 $\pm$ 0.2V  
 Video signal input: NTSC/PAL

## MP3/WMA mode

MP3 sampling rate: 8 kHz to 48 kHz  
 MP3 bit rate: 8 kbps to 320 kbps / VBR  
 WMA bit rate: 8 kbps to 320 kbps  
 Logical format: ISO9660 level 1,2  
 Joliet or Romeo file system

## USB

Specification: USB 1.0/2.0  
 Playable audio format:  
 MP3(.mp3): MPEG 1/2/Audio Layer-3  
 WMA(.wma): Ver 7/8/9.1/9.2

## Bluetooth

Specification: Bluetooth Ver. 2.0+EDR  
 Profile: HFP (Hands-free Profile)  
 A2DP (Advanced Audio Distribution Profile)  
 AVRCP (AV Remote Control Profile)  
 PBAP (Phone Book Access Profile)  
 Send/Receive Sensitivity: Class 2

## Audio Amplifier

Maximum power output:  
 200W (50W x 4)  
 Speaker impedance: 4 $\Omega$  (4 to 8  $\Omega$  allowable)

## 6.2 Inch TFT LCD

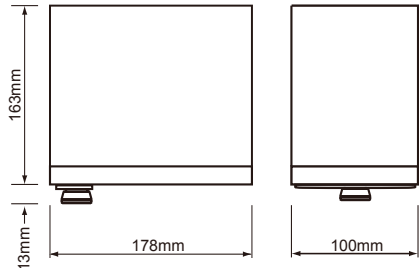
Display resolution (dot): 800RGB (H) x 480(V)  
 Active area (mm): 137.52(H) x 77.232 (V)  
 Screen size (inch): 6.2 (Diagonal)  
 Dot pitch (mm): 0.1719(H) x 0.1609(V)  
 Brightness: 400 cd/m<sup>2</sup>

## Input

Audio input sensitivity:  
 High: 320mV (at 1V output)  
 Mid: 650mV (at 1V output)  
 Low: 1.3V (at 1V output)  
 (input impedance 10 k $\Omega$  or greater)  
 Aux-in level:  $\leq$ 2V

## General

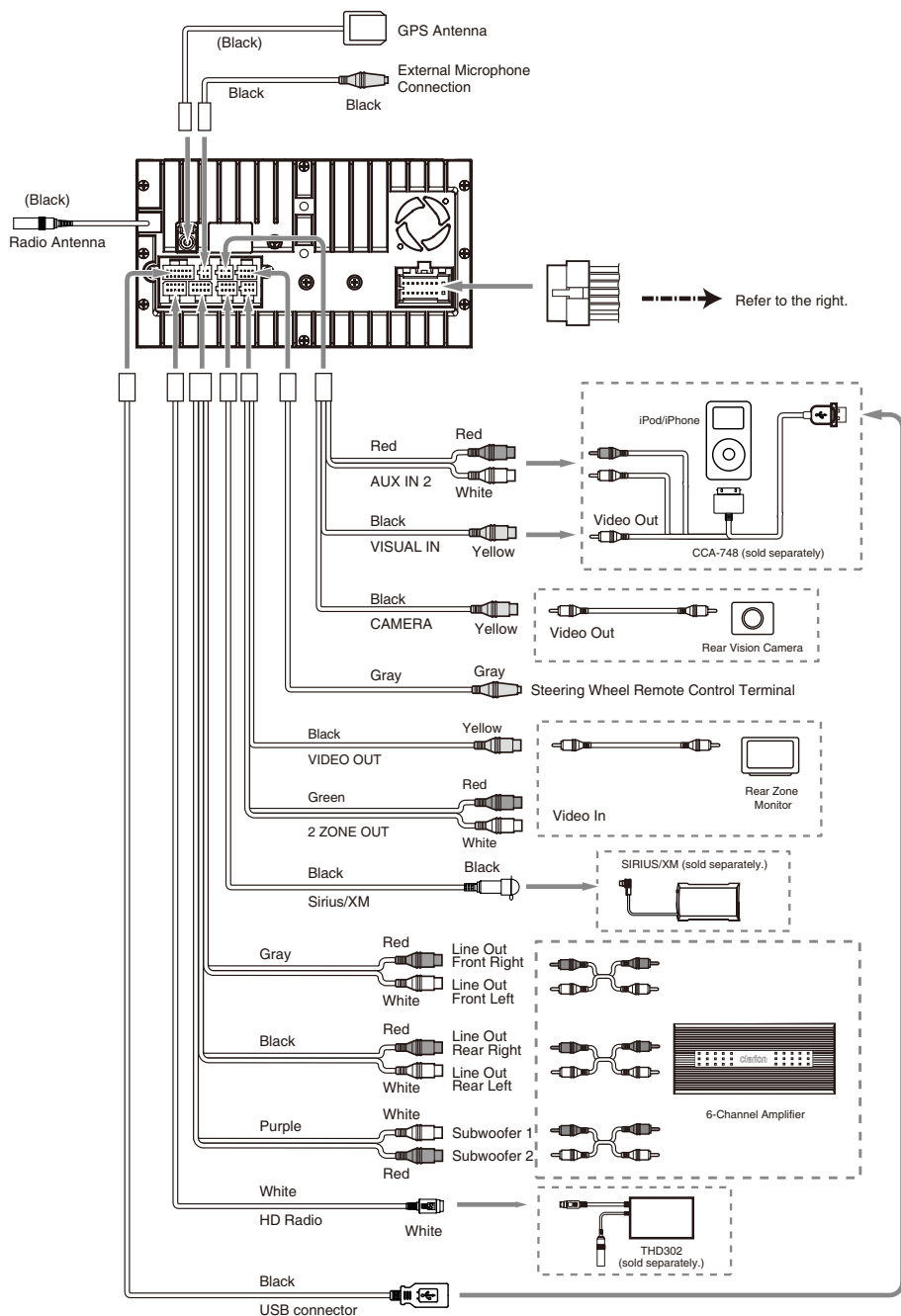
Power supply voltage:  
 14.4VDC (10.8 to 15.6V allowable),  
 negative ground  
 Pre-Amp output voltage:  
 4.0V (CD play mode: 1kHz, 0dB, 10k $\Omega$  load,  
 volume max.)  
 Fuse: 15A  
 Dimensions of the Main Unit:  
 178mm Width x 100mm Height x 163mm Depth  
 Weight of the Main Unit: 1.90kg  
 Dimensions of the Remote Control unit:  
 49mm Width x 12mm Height x 139mm Depth  
 Weight of the Remote Control Unit:  
 55g (including battery)

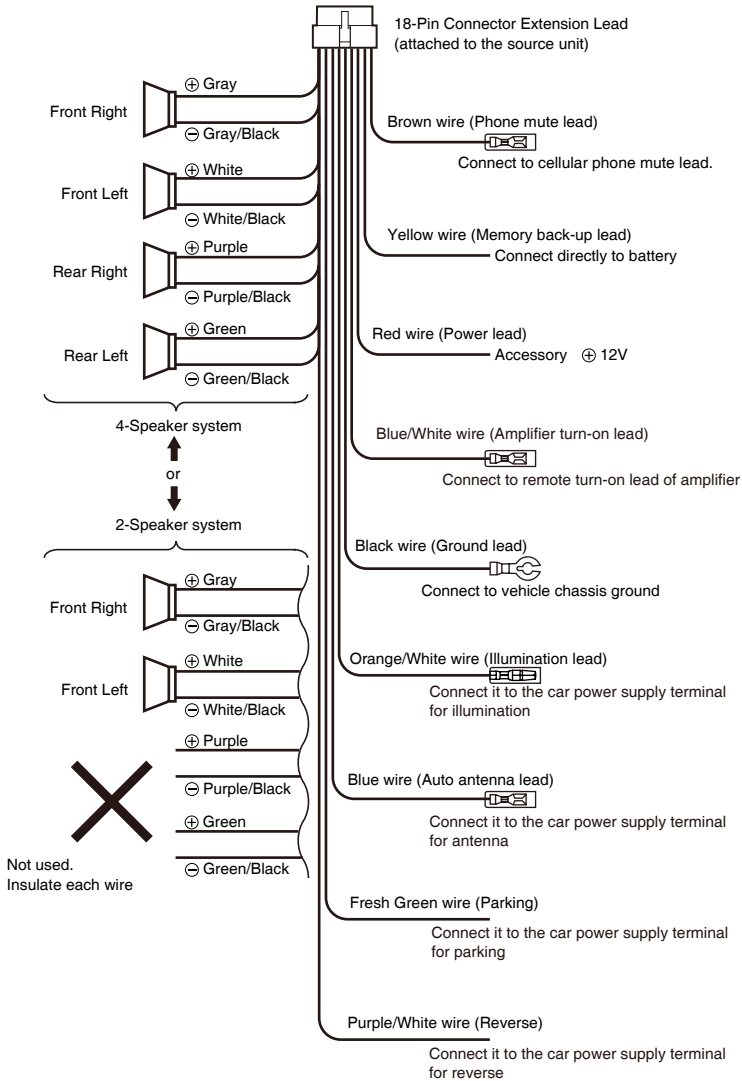


## Notes:

- Specifications and design are subject to change without notice for further improvement.

# 20. WIRING AND CONNECTIONS





### • Connecting to the external amplifier

External amplifiers can be connected to the 4 channel RCA output connections. Ensure that the connectors are not grounded or shorted to prevent damage to the unit.

## FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

## FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body

# Clarion Co., Ltd.

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